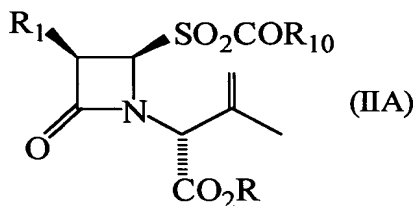


We claim:

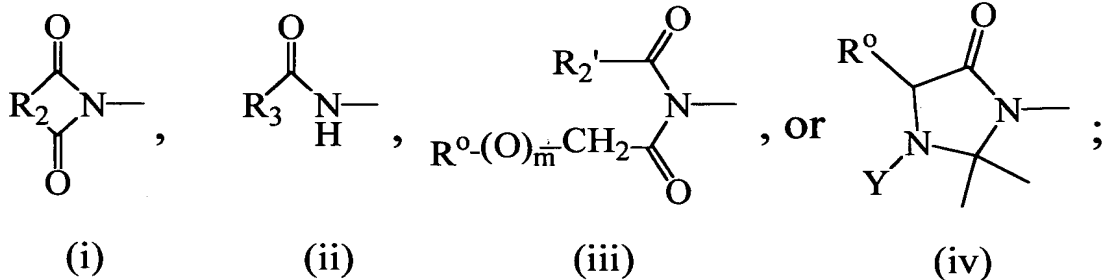
1. A compound of Formula IIA:



wherein:

R is a carboxylic acid protecting group;

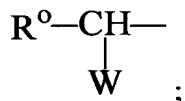
R₁ is a group of the formula;



R₂ is C₂-C₄ alkenylene, C₂-C₄ alkylene, 1,2-phenylene, or 1,2-cyclohexenylene;

R₂' is C₁-C₃ alkyl, C₁-C₆ haloalkyl, C₁-C₃ alkoxy, or 2,2,2-trichloroethoxy;

R₃ is hydrogen, C₁-C₃ alkyl, halomethyl, cyanomethyl, 3-(2-chlorophenyl)-5-methylisoxazol-4-yl, benzyloxy, 4-nitrobenzyloxy, 2,2,2-trichloroethoxy, tert-butoxy, 4-methoxybenzyloxy, phenyl, substituted phenyl, a group of the formula R⁰-(Q)_m-CH₂-, a heteroarylmethyl group of the formula R''CH₂-, or a substituted group of the formula



R⁰ is phenyl, substituted phenyl, 2-thienyl, 3-thienyl, or 1,4-cyclohexyldienyl;

R'' is 2-furyl, 3-furyl, 2-thiazolyl, or 5-isoxazolyl;

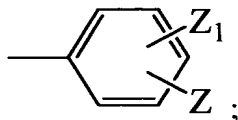
m is 0 or 1,

Q is O or S;

W is protected hydroxy, or protected amino;

Y is hydrogen, acetyl, or nitroso;

R₁₀ is C₁-C₆ alkyl, C₁-C₆ polyfluoroalkyl, C₃-C₆ cycloalkyl, adamantyl, phenyl, substituted phenyl, phenyl(C₁-C₃ alkyl), diphenylmethyl, or substituted phenyl(C₁-C₃ alkyl), or a group of the formula

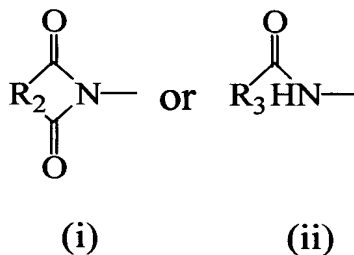


Z is solid polymer support; and

Z₁ is one or two groups independently selected from the group consisting of hydrogen, halo, hydroxy, protected hydroxy, nitro, cyano, trifluoromethyl, C₁-C₄ alkyl, and C₁-C₄ alkoxy.

2. A compound of claim 1 wherein:

R₁ is a group of the formula



3. A compound of claim 2 wherein:

R₁ is phthalimido, phenoxyacetyl amino, or phenylacetyl amino.

4. A compound of claim 1 wherein:

R₁₀ is C₁-C₆ alkyl, phenyl, or substituted phenyl.

5. A compound of claim 4 wherein:

R₁₀ is methyl, phenyl, or t-butyl.

6. A compound of claim 1 wherein:

R is C₁-C₆ alkyl, phenyl, benzyl, p-nitrobenzyl, p-methoxybenzyl, diphenylmethyl, or trichloroethyl.

7. A compound of claim 6 wherein:

R₁ is phthalimido, phenoxyacetyl amino, or phenylacetyl amino; and

R₁₀ is methyl, phenyl, or t-butyl.